

Claims

1. An automated design system for performing automated design of a product using design requirement particulars required with respect to the product targeted for the automated design, designer discretion particulars by discretion of a designer with respect to design of the product and a design rule necessary for the design of the product, characterized by comprising:

design rule storage means for storing the design rule,

automated design means for performing automated design using the design requirement particulars, the designer discretion particulars and the design rule,

determination rule input means for inputting a determination rule including a rule to be satisfied by design of the product in the case of manufacturing the product,

determination rule storage means for storing the determination rule, and

design result determination means for determining whether a design result obtained by the automated design means is good or not based on the determination rule stored in the determination rule storage means.

2. An automated design system as claimed in claim 1, characterized in that the system further comprises determination result storage means for storing a determination result obtained by the design result determination means and the design rule stored in the design rule storage means is updated based on the determination result.

3. An automated design method characterized by having:

a design rule storage step of previously storing a design rule necessary for design of a product targeted for automated design,

a determination rule storage step of previously storing a determination rule including a rule to be satisfied by design of the product in the case of manufacturing the product,

a design requirement particular input step of inputting design requirement particulars required with respect to the product,

a designer discretion particular input step of inputting designer discretion particulars by discretion of a designer with respect to design of the product,

an automated design step of reading out the design rule stored in the design rule storage step and performing automated design using said design rule, the design requirement particulars and the designer discretion particulars, and

a design result determination step of reading out the determination rule stored in the determination rule storage step and automatically determining whether a design result obtained by the automated design step is good or not based on said determination rule.

4. An automated design method as claimed in claim 3, characterized by further having:

a determination result storage step of storing a determination result obtained by the design result determination step, and

a design rule updating step of reading out the determination result stored in the determination result storage step and updating the

design rule stored in the design rule storage step based on said determination result.

5. An automated design program for making a computer execute processing including:

design rule storage processing for previously storing a design rule necessary for design of a product targeted for automated design,

determination rule storage processing for previously storing a determination rule including a rule to be satisfied by design of the product in the case of manufacturing the product,

design requirement particular input processing for inputting design requirement particulars required with respect to the product,

designer discretion particular input processing for inputting designer discretion particulars by discretion of a designer with respect to design of the product,

automated design processing for reading out the design rule stored in the design rule storage processing and performing automated design using said design rule, the design requirement particulars and the designer discretion particulars, and

design result determination processing for reading out the determination rule stored in the determination rule storage processing and automatically determining whether a design result obtained by the automated design processing is good or not based on said determination rule.

6. An automated design program as claimed in claim 5, for making a computer execute processing further including:

determination result storage processing for storing a determination result obtained by the design result determination processing, and

design rule updating processing for reading out the determination result stored in the determination result storage processing and updating the design rule stored in the design rule storage processing based on said determination result.